

# Sarfaraj Ansari

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## Education

VIT Bhopal University, Bhopal, India

October 2022 – Present

B-Tech Computer Science and Engineering (Specialization in Artificial Intelligence and Machine Learning) CGPA: 8.57/10

## Skills

**Languages:** JavaScript, Python, Java (Object Oriented Programming), C++, HTML/CSS

**Frameworks:** Docker, React JS, Node.js, Django, FastAPI, Flask, SQL, Pytorch, Keras, scikit-learn, Selenium

**Concept & Tools:** JWT, Pandas, numpy, Beautiful-Soup, OOPs, Data structures and algorithms, microservices

**Soft Skills:** Team leadership, Integrity & ethics, Logical reasoning, Public Speaking

## Work Experience

Settly July 2021 - Present  
Full Stack Engineer Intern

- Engineered a comprehensive form management solution featuring a JSON-based rendering engine that dynamically creates forms from schema definitions across 15+ product modules, with an OCR-powered auto-fill system that extracts data from uploaded PDFs reducing development time by 70%.
- Architected a PDF Management System with integrated editor using React JS, automating document generation for 8 document types and serving 1000+ daily users.
- Built scalable inventory tracking system for Xpress-bees using ClickHouse database, processing 2M+ product serial numbers and consumption records daily, reducing query response time from minutes to seconds for billion-record datasets.
- Designed Multi-agent system using Google's Agent Development kit to encapsulate platform features over a chat with Agents.
- Tech-stack: React JS, Express JS, Node JS, Mongo DB, Python, JavaScript, Pandas, Selenium, Fast API, Clickhouse, Docker, PostgreSQL, Azure Functions, Google Agent development kit.

## Projects

Mountain Generation GAN | [Wandb Report](#) | [Github Link](#) May 2025  
Python, Torch

- Trained a GAN model to generate realistic mountain landscape images from random noise using 20K training images.

Garbage Redressal System | [Github Link](#) November 2024  
Python, FastAPI, Tensorflow, React JS, MongoDB

- Developed a React-based waste management system with ML image verification that enables users to report garbage issues and facilitates admin-staff coordination for cleanup tracking and resolution.

Legal Sphere | [Github Link](#) August 2024  
Python, Langchain, React JS, MongoDB

- Built AI-driven legal research engine using Retrieval Augmented Generation to analyze 250K+ consumer cases. Provides comprehensive case analysis with decision trees, and pdf reports.

Edutube | [Github](#) July 2024  
Python, Langchain, JavaScript, React JS, MongoDB

- Engineered a learning platform with a RAG model that identifies key concepts from YouTube videos with 90% accuracy, generating interactive UI content and allowing users to manipulate values for a hands-on learning experience.

## Achievements

- Freelancing:** Completed 30+ paid freelance projects on Upwork, Became top rated freelancer in 2022
- Coding Platforms:** Solved 150+ problems on LeetCode and 50 problems on GeeksforGeeks
- Hackathons:** Won IIT Guwahati Research & Industrial Hackathon, won SIH2024 internal round

## Extra Curriculars

- President, Freelancing club of VIT Bhopal | January 2024 – Present:** Led a club of 200+ members, facilitated workshops for 100+ attendees on skill building and freelancing, and organized 'Freelance Arena,' a competition where participants advanced by proposing ideas, negotiating, and completing projects on time.
- Hobbies:** Playing Chess, Participating in Model United Nations.
- Languages:** Fluent in Hindi, English.